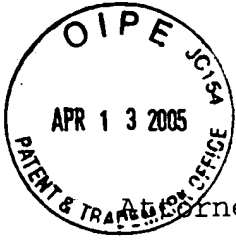


DFW



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Poly-50/APP**

Applicants: **Stephen ARNOLD et al.**

Serial No.: **10/768,977**

Filing Date: **January 30, 2004**

Title: **DNA OR RNA DETECTION AND/OR QUANTIFICATION USING
SPECTROSCOPIC SHIFTS OF TWO OR MORE OPTICAL CAVITIES**

Examiner: **Not yet assigned**

Group Art Unit: **1632**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R:

Information Disclosure Statement Transmittal

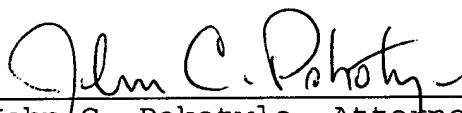
The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references, except for U.S. patents and patent application publications is enclosed. (See the notice, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003," Pre-OG Notices (July 11, 2003).)

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicants assume that this Information Disclosure Statement should be considered under 37 C.F.R. §§ 1.97(b)(3). **Accordingly, it is believed that no fee is due.** If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge any fee required to have the Information Disclosure Statement considered to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

Dated: April 7, 2005

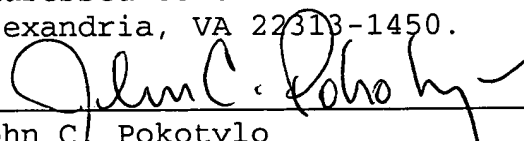


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CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

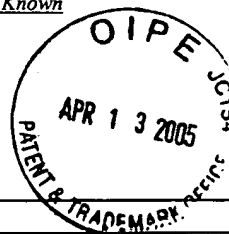
I hereby certify that this correspondence is being deposited on **April 7, 2005** with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



John C. Pokotylo

36,242
Reg. No.

U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number: 10/768,977	
		Filing Date: January 30, 2004	
		First Named Inventor: Stephen ARNOLD	
		Group Art Unit: 1632	
		Examiner Name: Not yet assigned	
Sheet	1	of	2
		Attorney Docket No.: Poly-50/APP	



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where relevant Passages or Figures appear
	AA	4,169,804	10/02/1979	YAPPEL, Jr.	
	AB	5,231,533	07/27/1993	GONOKAMI et al.	
	AC	5,496,997	03/05/1996	POPE	
	AD	5,786,219	07/28/1998	ZHANG et al.	
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	AG	US-2002/0037132 A1	03/28/2002	SERCEL et al.	
	AH	US-2002/0041730 A1	04/11/2002	SERCEL et al.	
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	AN	6,490,039	12/03/2002	MALEKI et al.	
	AO	6,583,399	06/24/2003	HUNZIKER et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

U.S. Department of Commerce Patent and Trademark Office		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number:	10/768,977
		Filing Date:	January 30, 2004
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		Group Art Unit:	1632
		Examiner Name:	Not yet assigned
Sheet	2	of	2
		Attorney Docket No.:	Poly-50/APP

OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source	T ²
	BA	A. Serpengüzel, S. Arnold and G. Griffel, "Excitation of resonances of microspheres on an optical fiber," OPTICS LETTERS, Vol. 20, No. 7, pp. 654-656, (April 1995).	
	BB	S. Arnold, "Microspheres, Photonic Atoms and the Physics of Nothing," <u>American Scientist</u> , Volume 89, pp. 414-421 (September-October 2001).	
	BC	Vollmer, Frank; Arnold, Stephen; Braun, Dieter; Teraoka, Iwao; "Multiplexed DNA Quantification by Spectroscopic Shift of Two Microsphere Cavities," Biophysical Journal, Volume 85, September 2003 (1974-1979).	
	BD	Cai, Ming; Hunziker, Guido; Vahala, Kerry; "Fiber-Optic Ad-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," IEEE Photonics Technology Letters, Volume 11, No. 6, (June, 1999)	

Examiner Signature		Date Considered	
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